

Ashland/NSP Lakefront Site Proposed RI Outline

Executive Summary

- 1 Introduction
 - 1.1 Purpose of Report
 - 1.2 Site Background
 - 1.2.1 Site Description
 - 1.2.2 Site History
 - 1.3 Report Organization
- 2 Study Area Investigation/Technical Approach
 - 2.1 Field Methods
 - 2.1.1 Site Mapping
 - 2.1.2 Surface Water and Sediment Investigations
 - 2.1.3 Geological Investigations – Surface/Subsurface Soil/Geophysics
 - 2.1.4 Groundwater Investigations
 - 2.1.5 Soil Vapor and Air Quality Investigation
 - 2.1.6 Ecological Investigations
 - 2.2 Laboratory Methods
 - 2.2.1 Soil Vapor/Air
 - 2.2.2 Groundwater
 - 2.2.3 Soil
 - 2.2.4 Sediment and Surface Water
 - 2.2.5 Benthic Organisms
- 3 Site Physical Characteristics
 - 3.1 Regional and Site Geology (incl surface/subsurface soil/geophysics)
 - 3.2 Regional and Site Hydrogeology
 - 3.3 Surface Water Hydrology
 - 3.4 Sediment Stability
 - 3.5 Ecology
 - 3.6 Meteorology
 - 3.7 Demographics and Land Use
- 4 Nature and Extent of Contamination
 - 4.1 Contaminant Sources
 - 4.2 Soils and Vadose Zone
 - 4.3 Groundwater
 - 4.4 Surface Water and Sediments
 - 4.5 Air
- 5 Contaminant Fate and Transport
 - 5.1 Contaminant Characteristics and Persistence
 - 5.2 Potential Routes of Migration/Contaminant Transport Processes
 - 5.3 Contaminant Distribution and Trends

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- 6 Conceptual Site Model
- 7 Baseline Human Health Risk Assessment
 - 7.1 Introduction
 - 7.2 Hazard Identification
 - 7.3 Dose-Response Assessment
 - 7.4 Exposure Assessment
 - 7.5 Risk Evaluation
- 8 Baseline Ecological Risk Assessment
 - 8.1 Introduction
 - 8.2 Problem Formulation
 - 8.3 Analysis
 - 8.4 Risk Characterization
- 7 Summary and Conclusions
 - 7.1 Summary
 - 7.1.1 Nature and Extent of Contamination
 - 7.1.2 Fate and Transport
 - 7.1.3 Risk Assessment
 - 7.2 Conclusions
 - 7.2.1 Data Limitations and Recommendations for Future Work
 - 7.2.2 Recommended Remedial Action Objectives

Figures

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Appendices

- A. Remedial Action Options Technical Memoranda
- B. Supplementary Documents
 - B.1 Forensic Report
 - B.2 Sediment Stability Report
 - B.3 Geophysics Report
 - B.4... (Additional Reports as necessary)
- C. HHRA Methods
- D. BERA Methods
- E. Boring Logs
- F. Analytical Data and QA/QC Evaluation Results